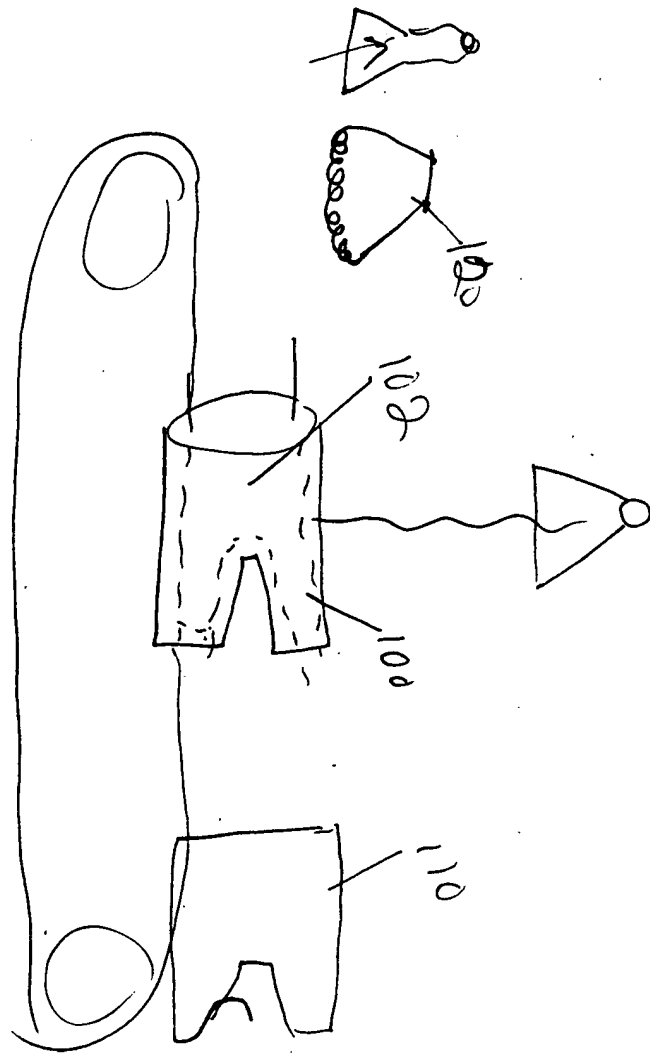
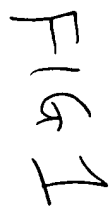
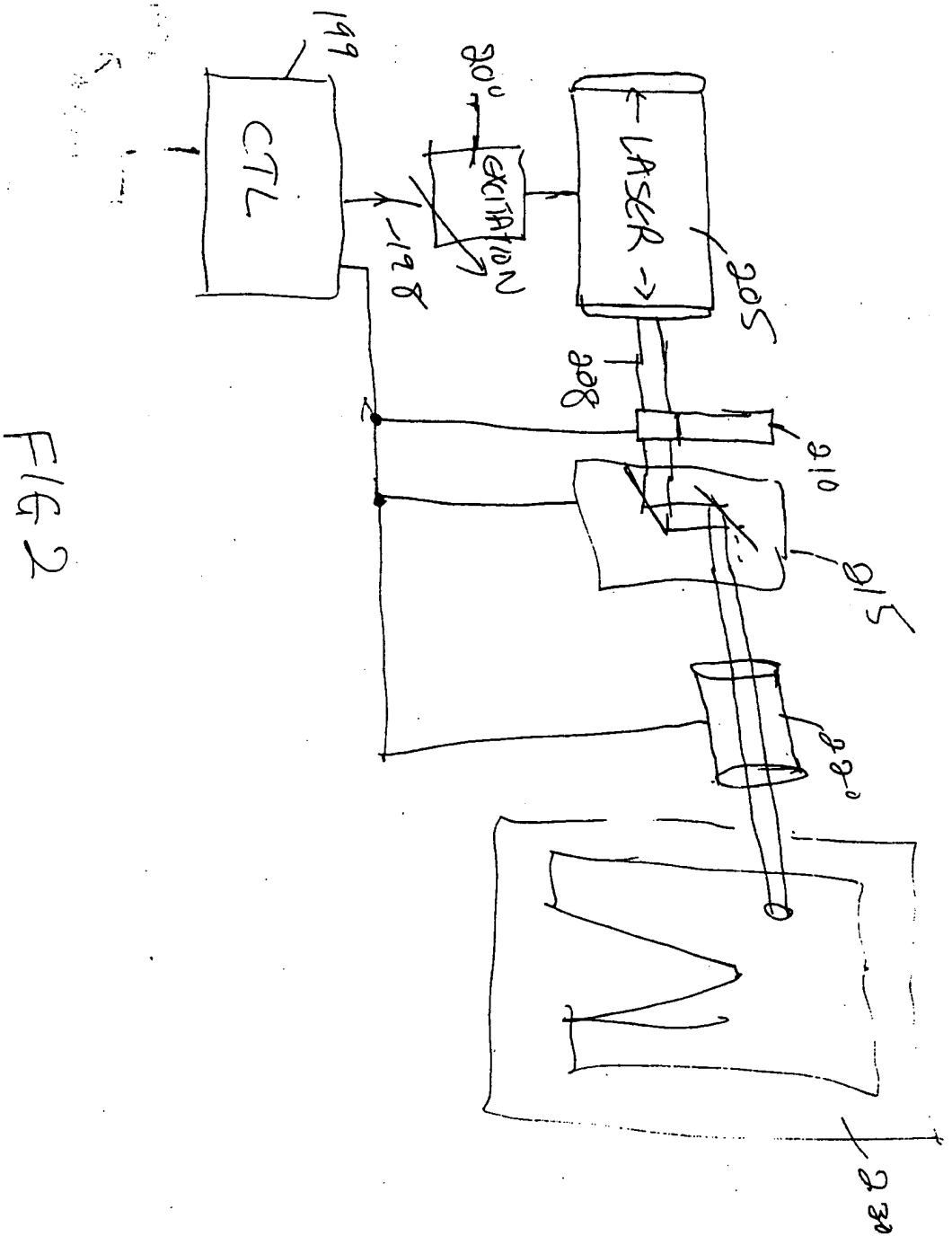


[illegible]

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Operating Parameters

Speed in inches per second Laser scale factor in/inch

Pattern Scale Factor

X Y

Pattern Dimension on Laser

X Y

Drawing Direction

☐ Horizontal ☐ Vertical

Draw Color Change

☐ Random ☐ Deterministic

Boundary ☐ 0.5 inches ☐ 1.0 inches

Random Number Seed

File Name **Save Control File** ☐

Save Pattern File ☐ **Overwrite** ☐

Pattern Display

☐ Color ☐ Grayscale ☐ Reverse

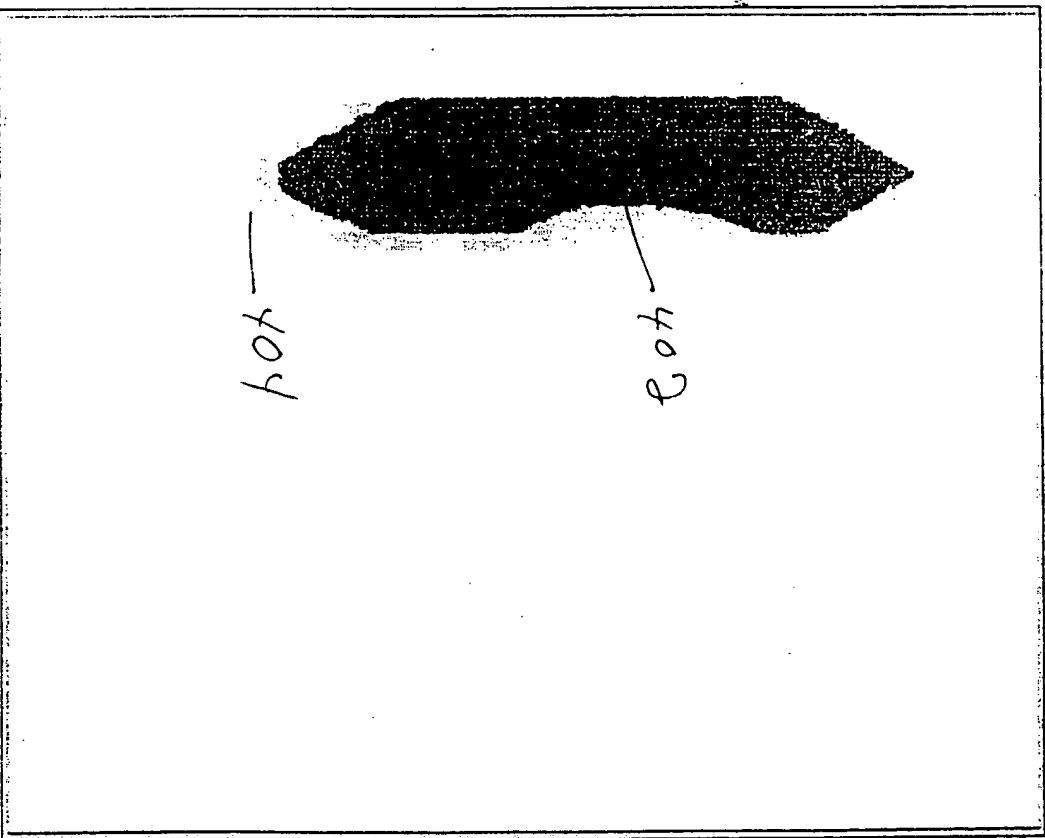


FIG 4

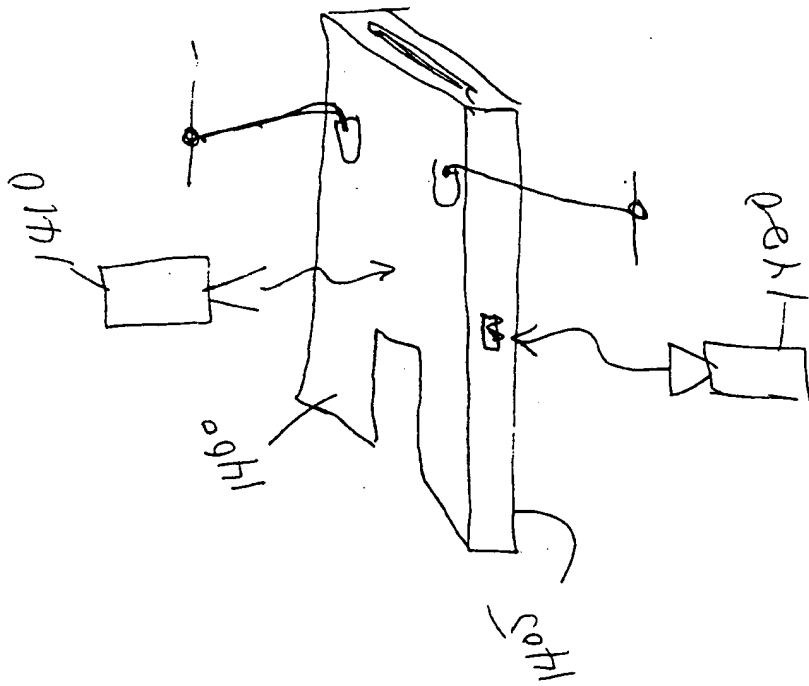


FIG 14

Pattern File [C:\Users\user\Documents\Pattern File]

Operating Parameters

Speed in inches per second: 15.1 X 40

Low scale factor: 40

Pattern Scale Factor

X: 4 Y: 4

Pattern Dimension on Laser

X: 77 Y: 114

Drawing Direction

☐ Horizontal ☐ Vertical

Draw Color Change

☐ Random ☐ Deterministic

Boundary

Length: 10.1 inches ☐

☐ Minimum Boundary

Random Number Seed

13176

Pattern Display

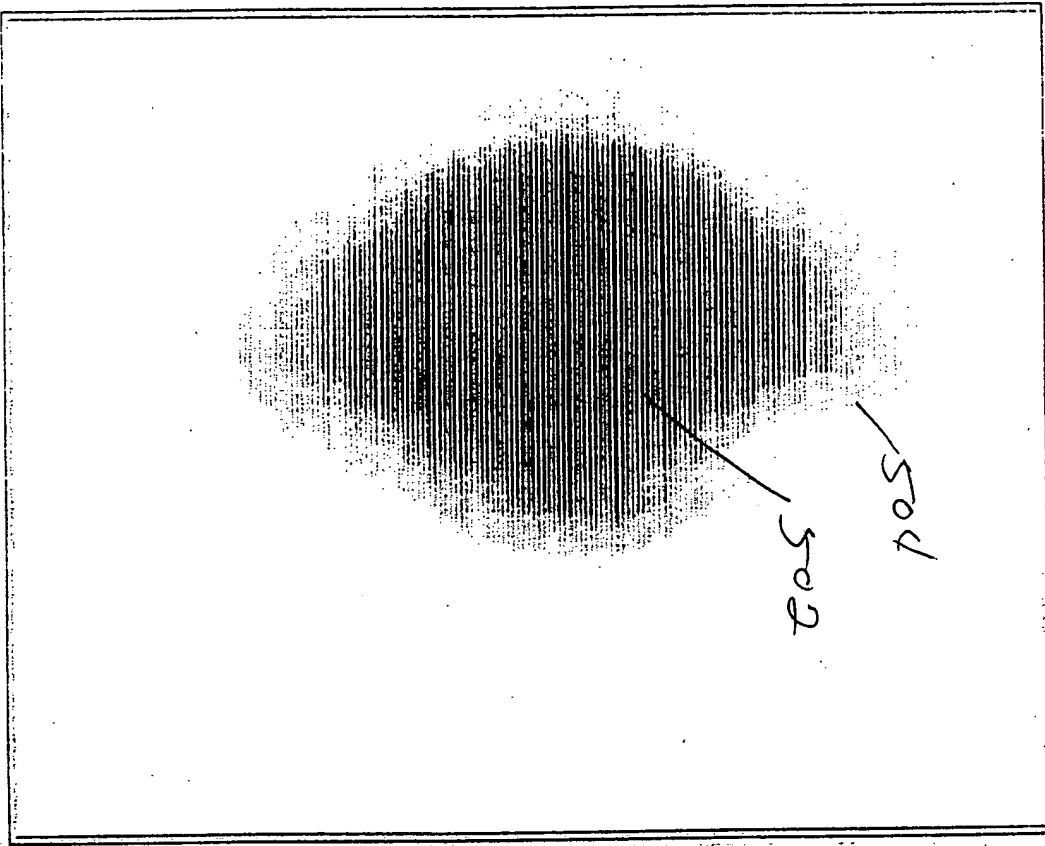
☐ Color ☐ Grayscale ☐ Reverse

Save Pattern File

Power Profile

Power	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
2	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
3	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
4	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
5	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
6	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
7	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
8	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
9	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
10	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
11	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
12	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
13	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
14	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
15	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
16	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
17	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
18	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
19	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
20	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100

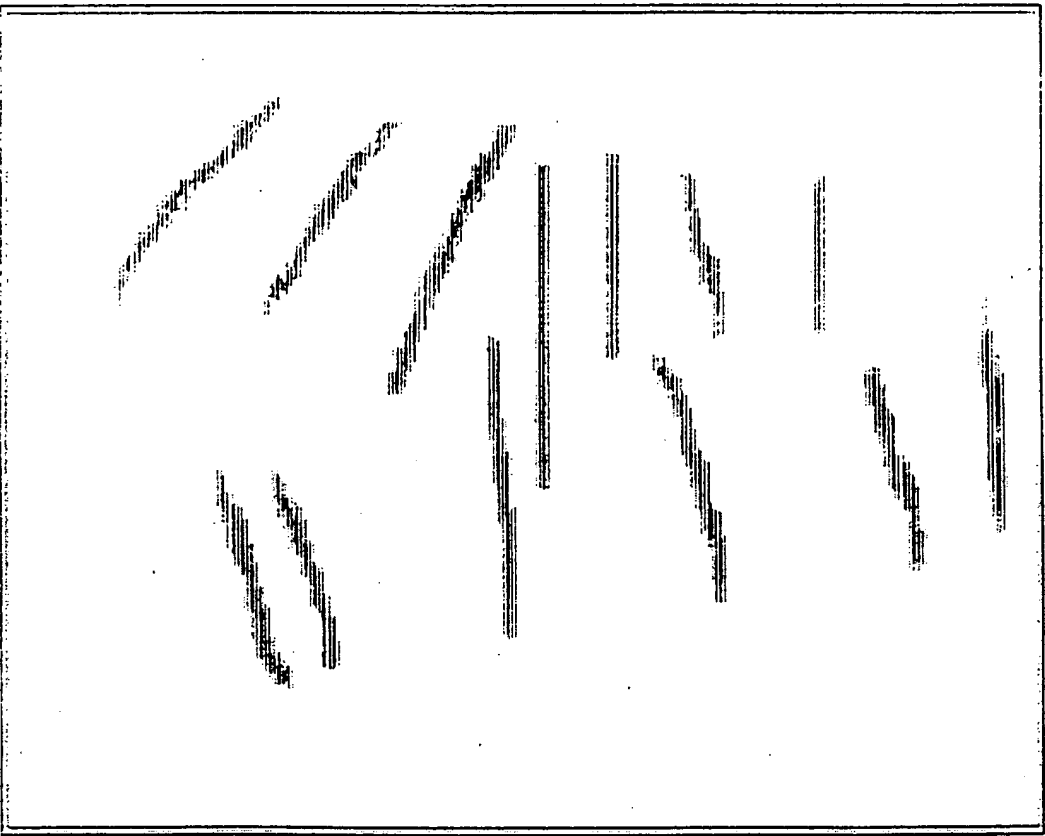
FIG 5



Operating Parameters
Speed in feet per second: Use scale factor per second:
Pattern Scale Factors: X: Y:
Pattern Dimension on X axis: X: Y:
Drawing Direction: ☒ Horizontal ☐ Vertical
Draw Color Change: ☐ Random ☒ Deterministic
Drawing Length: User:
Pattern Boundary: ☐ Multiple Boundary
Random Number Seed:
E & Pattern File: Save Control File:
Save Pattern File: Change/Pattern:
Pattern: E:

Pattern Display
☐ Color ☒ Display ☐ Reverse

File 8



Concentration of inhibitor	Rate of polymerization
0.0	1.0
0.2	0.8
0.4	0.65
0.6	0.55
0.8	0.5
1.0	0.5

[illegible]

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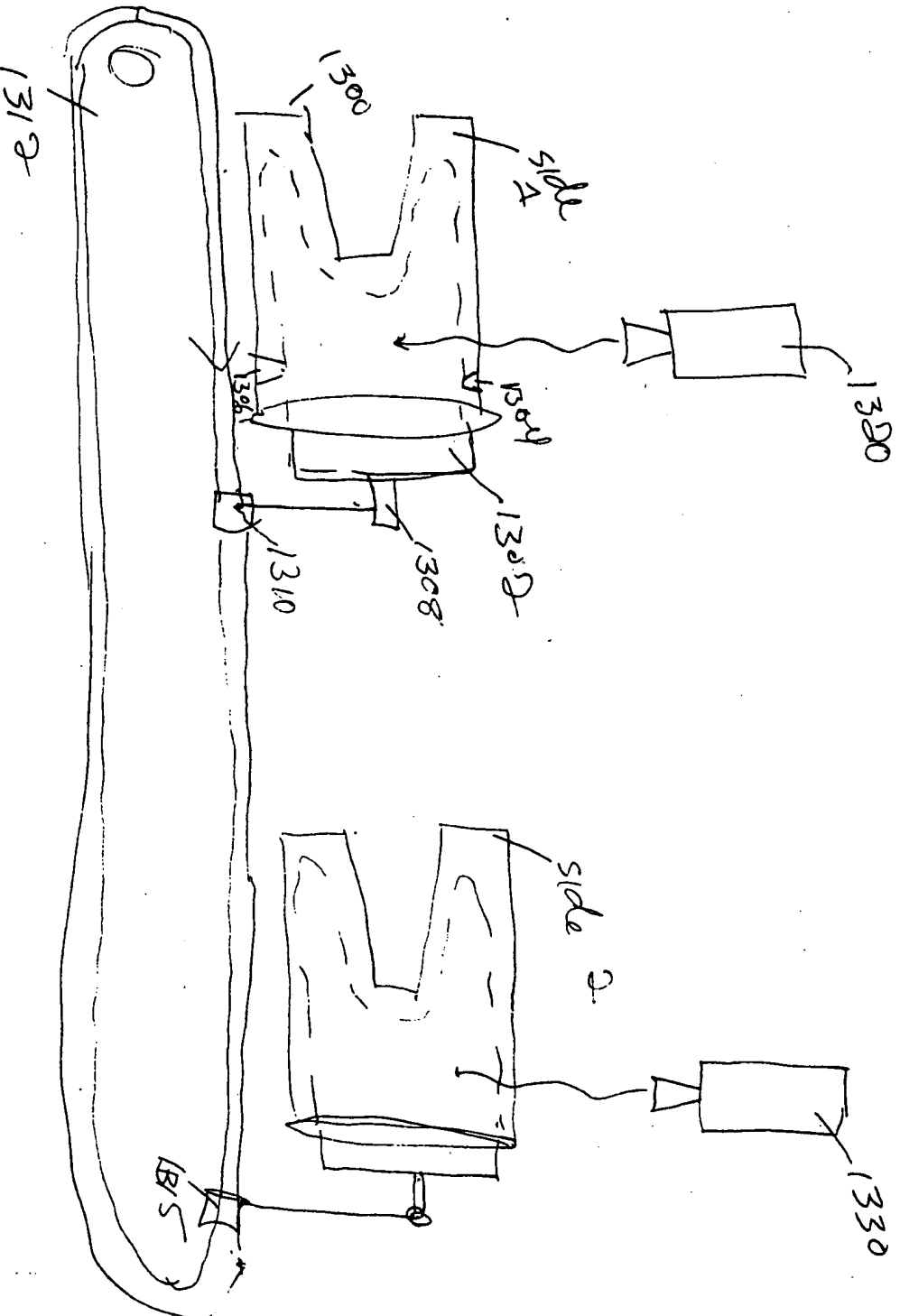


FIG 13

09653997 090100